

Algebra I Worksheet #8 Unit 6 page 1 _____

For each of the following equations:

(a) find its slope,

(b) find its y-intercept, and

(c) sketch its graph. Label each graph with its equation.

1. $y = -4x$

(a) _____ (b) _____

2. $y = \frac{5}{2}x$

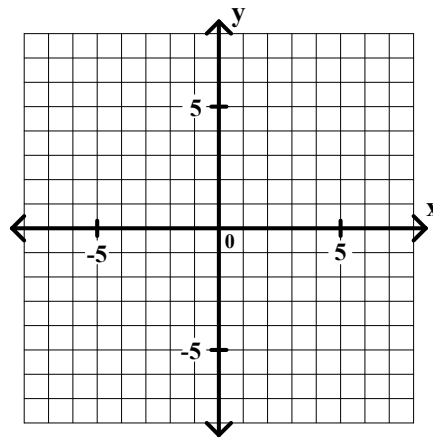
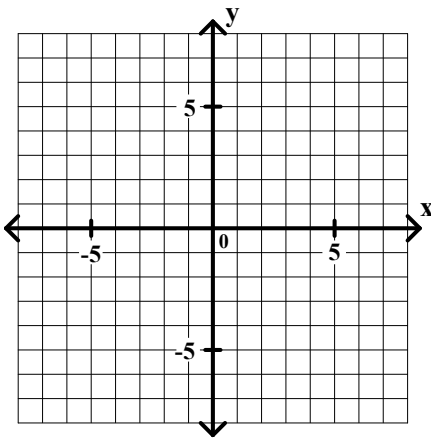
(a) _____ (b) _____

3. $y = \frac{-1}{2}x + 3$

(a) _____ (b) _____

4. $y = \frac{1}{3}x - 4$

(a) _____ (b) _____



Graph each of the following equations. Use the equation to label each graph.

5. $y = 4$

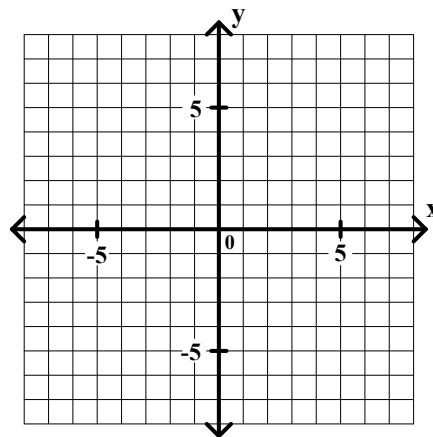
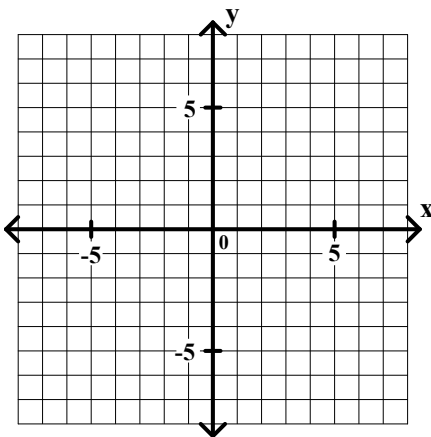
6. $x = -3$

7. $y = -2x + 1$

8. $y = \frac{2}{3}x$

9. $y + 2 = 0$

10. $3x - 1 = 8$



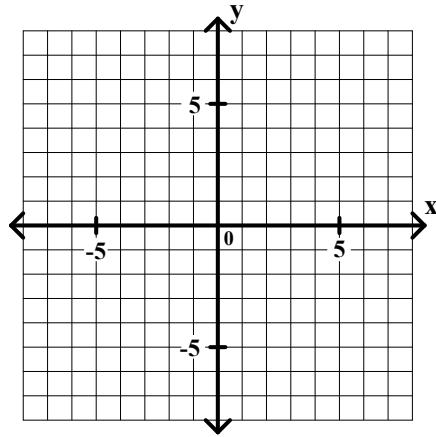
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Graph each of the following equations. Use the equation to label each graph.

11. $y = -3x - 2$

12. $y = \frac{1}{4}x + 2$

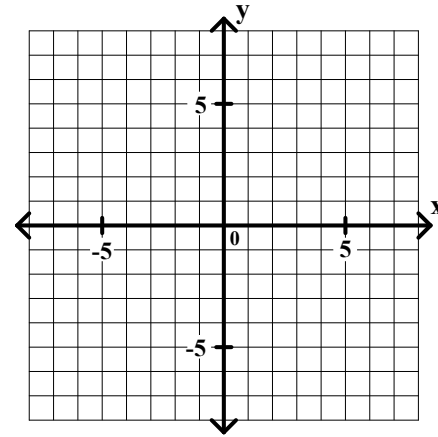
13. $y = x$



14. $x + y = 0$

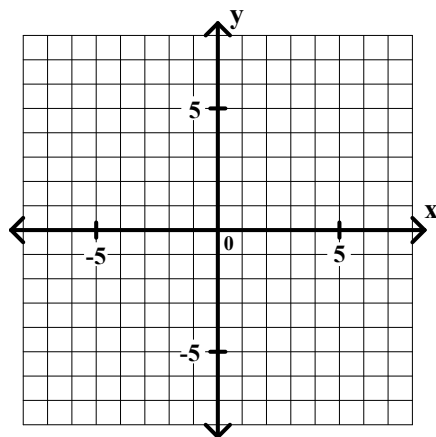
15. $2x + y = 3$

16. $x - 2y = 0$



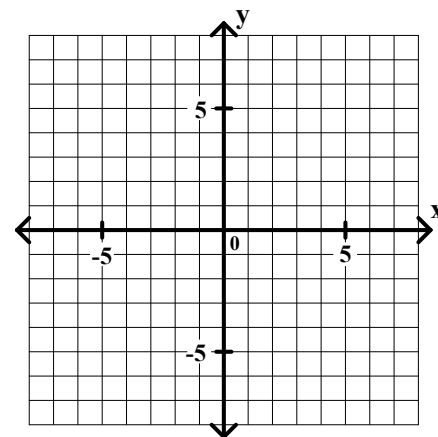
17. $y = 2x - 3$

18. $y = \frac{1}{2}x - 3$



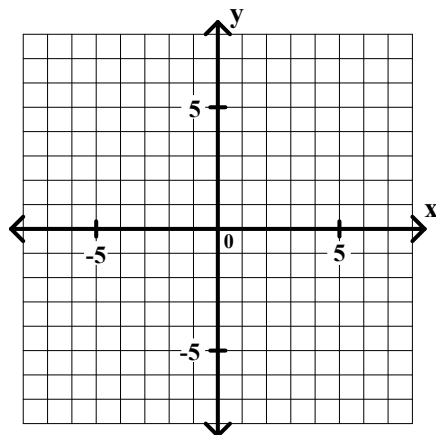
19. $y = -3$

20. $y = -3x$



21. $3x - 2y = 8$

22. $5x + 6y = -12$



23. $x + 3y = 12$

24. $x - 4y = 12$

